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This invention relates to novel sequence and polymorphisms in the human *flt-1* gene. Eight specific polymorphisms are identified. The invention also relates to methods and materials for analysing allelic variation in the *flt-1* gene and to the use of *flt-1* polymorphism in the diagnosis and treatment of angiogenic diseases and cancer. Diseases associated with pathological angiogenesis include diabetic retinopathies, psoriasis, rheumatoid arthritis and endometriosis.

[illegible]